Collapsible Parabolic Antenna, 4950 to 7125 MHz, 30 dBi, 2 x 2 MIMO, 2 foot, RP-SMA, 2 Pack



CCPD2-6RSP

The Radiowaves CCPD2-6RSP collapsible parabolic antenna is designed for point-to-point communications by directing waves to the receiver at its focal point via a parabolic reflector. This antenna has a 30 dBi high gain. Our point to point antenna has a 50 Ohms impedance and is highly directional, which means it receives greater power in a specific direction.

This antenna has a RP-SMA connector that is capable of carrying microwave frequencies used to join coaxial cables. The Radiowaves white collapsible parabolic antenna is 2 feet in size and has a less than 2.5:1 VSWR (Voltage Standing Wave Ratio) that results in the best power transfer and reduced losses. Our collapsible parabolic antenna operates at a frequency ranging from 4950 to 7125 MHz, providing stability over a wide bandwidth to support gigabit transmissions. This high-performance 30 dBi Wi-Fi 6e antenna is ideal for 4.9/5.1/5.3/5.4/5.8/6 GHz ISM and UNII band, Wi-Fi 6e and Wi-Fi 7, long distance backhaul, and point to point data link applications

The Radiowaves collapsible parabolic antenna features dual slant (V/H or ±45°) polarization, which makes it compatible with any single or dual polarized 2 x 2 mimo radio and eliminates the risk of link strength degradation due to polarization mismatch. It has a 50 W maximum power per port within which it has the ability to perform without damage. This antenna can withstand temperature between -40°C to 70°C (-32°F to 158°F) and has DC ground lighting protection to protect the system from damage due to lighting strikes.

This Radiowaves collapsible parabolic antenna, 4950 to 7125 MHz, 30 dBi, is in stock and ready to ship same-day. Based on your specifications, our expert technical support and highly trained sales team can find the ideal 4950 to 7125 MHz, 30 dBi collapsible parabolic antenna.

General Specifications

Antenna Type	Standard Performance Parabolic Reflector Antenna
Size, nominal	2 ft | 0.6 m

Polarization	Dual

Electrical Specifications

Operating Frequency Band	4.95 - 7.125 GHz
Half Power Beamwidth, Horizontal	5 degrees
Half Power Beamwidth, Vertical	5 degrees
Front to Back Ratio (F/B)	30 dB

Gain, Low Frequency	29 dBi
Gain, High Frequency	31 dBi
VSWR	2.5:1
Return Loss	-7.4 dB

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Mechanical Specifications

Mounting Pipe Diameter, Min	1.2 inch | 3 cm
Mounting Pipe Diameter, Max	3.15 inch | 8 cm

Net Weight (Single Antenna)	12.43 lbs |5.64 kg
Operating Temperature Range	-40 to +70 deg. C

Regulatory Compliance

RoHS-compliant	Yes

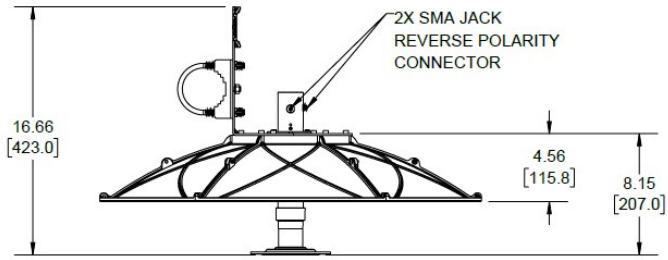
Shipping Information

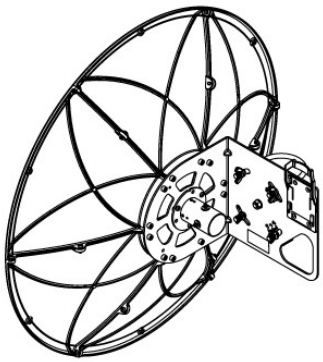
Package Type	Cardboard
Antenna Dimensions, L x W x H	25.9 x 25.9 x 8 in | 65.7 x 65.7 x 20.3 cm

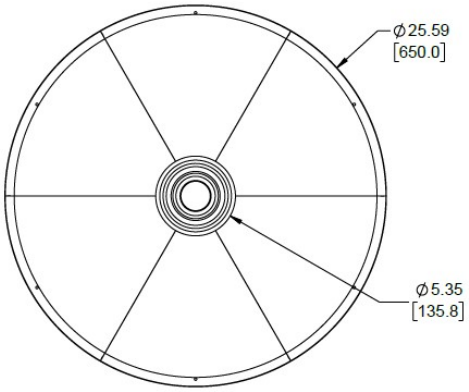
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TECHNICAL DRAWINGS

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	03/15/2023	DMAY	KHIETPAS







UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5] | FRACTIONS ± 1/32
.XX = ± .02 [.5] | ANGLES ± 1°
.XXX = ± .005 [.13]

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

radiowaves
an INFINITE brand
Website: www.RadioWaves.com
Phone: 1.978.459.8800 | 1.978.495.3310

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION
4900 MHz TO 7125 MHz, 2-FEET COLLAPSIBLE PARABOLIC ANTENNA, 2X2 MIMO, 30 dBi, RPSMA

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	1ZEE8	DMAY	CCPD2-6RSP	A

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